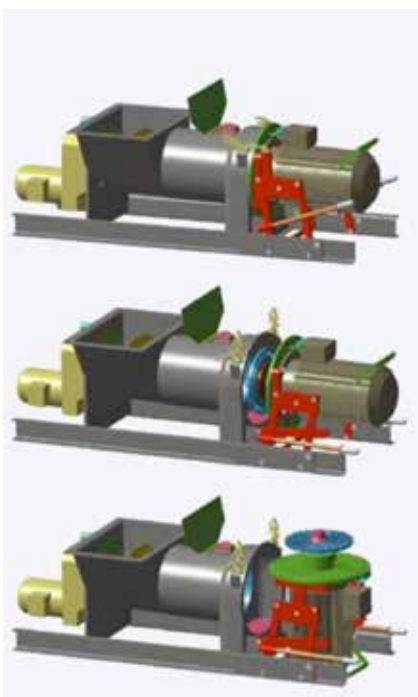


CM 50 Mill



Grinding disc mill
for apples, pears,
berries, vegetables
and herbs

- Optimal mash structure increases yield and throughput during juice extraction
- Minimal oxidation
- Low noise emission
- Easy cleaning and maintenance
- Independently adjustable milling and feeding drives



Application

The grinding disc mill CM50 was developed for grinding of apples and pears. However, it is also successful milling various other fruits and vegetables such as cherries, strawberries, black currants, carrots, onions, etc. The CM50 mill produces mash structure which is ideally suited for dejuicing. The improved mash structure results in higher yields and throughputs during extraction. It is also particularly suitable for the production of not from concentrates (NFC) cloudy juices and products where low oxidation is required, i.e. for cloudy NFC apple juice and carrot juice.

Design and functionality

The goods to be milled are fed through the rectangular opening at top of the mill into the filling section with the feeding screw at the bottom. The horizontal feeding screw transports the product from the fil-

ling section to the grinding tool. The grinding tool is the heart of the mill and consists of a rotating disc with star like attached grinding knives.

Due to the fast rotation of the grinding disc, small particles are separated and accelerated. The centrifugal force thus generated throws out the milled product through an adjustable discharge slot into the ejection area. From there it leaves the mill through an opening in the bottom of the housing. The structure of the particles can be influenced by the adjustable rotating speed of the grinding tool, the width of the product discharge slot and the size of the knives. The grinding tool and drive are mounted on a pivoting mechanism which can be easily pulled out and turned by 90° for easy access and economic maintenance of the grinding knives.

Technical data

Throughput	30–50t/h apples, 8–12t/h carrots
Weight	700kg
Dimensions	2'150 x 804 x 660 (L x W x H in mm)
Scope of supply	Grinding mill with two motors and two frequency converters, stainless steel control cabinet with PLC control system and touch screen
Connected load	34kW, 400V

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Products and Services

Process technology for fruit and vegetable processing to juices, concentrates and puree production, for brewing solutions, for filtration, for milk powder production, for the vacuum drying of liquid and solid products, for freeze drying of coffee, tea, fruits, vegetable, etc. Technology for municipal and industrial sludge dewatering and drinking water filtration

Products

Fruit reception lines, mills, mash heaters, hydraulic presses, membrane filtration equipment, cold block equipment, adsorber, ion exchanger, evaporators and aroma plants, pasteurizers, CIP systems, vacuum and freeze drying cabinets and belt dryer, zeolite adsorber, complete processing lines

Services

Process development and project engineering; assembly and commissioning; technical support; original spare parts; inspection; service contracts; retrofits; training; service and maintenance; NetService